

Drafts

BRS: L5 and (location near3 updat\$3 near3 message)

5 BRS: 5 and (poll\$

Ⓢ Pending

☒ Active

L1: (92122) "455"/\$.ccls.

— L2: (54111) L1 and ("mobile user" or "mobile terminal" or "mobile station" or "wireless

- L3: (18644) L2 and subscriber

...L4: (4038) L3 and (signal adj strength)

-L5: (103) L4 and (location near3 updat\$3 near3 message)

...L6: (79) L5 and measur\$5

~~2~~ L7: (6697) 3 and (poll\$3 report\$3)

• L8: (1914) 4 and (poll\$3 report\$3)

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- L9: (64) 5 and (poll$3 report$3)

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L10: (37) 5 and (poll$3 report$3)

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- L11: (10) 10 and "measurement result"

• L12: (9) 11 and command

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-S1: (64609) "455"/\$.ccls.

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 BRS form  IS&R form  Image  Text  HTML

| | U | 1 | Document ID | Issue Date | Pages | Title | Current OR | Current X | Ret | Inventor | S |
|---|---|---|---------------|------------|-------|--|------------|-----------------------|-----|---------------------------|---|
| 4 | | | US 6735432 B1 | 20040511 | 56 | Cordless cellular system and method | 455/417 | 342/457; 455/421 | | Jarett; Keith et al. | P |
| 5 | | | US 6681118 B2 | 20040120 | 57 | Method of providing cellular and landline cordless service using a d | 455/552.1 | | | Raffel; Michael A. et al. | P |
| 6 | | | US 6611692 B2 | 20030826 | 54 | Cordless cellular system | 455/552.1 | 320/115; 370/330 | | Raffel; Michael A. et al. | P |
| 7 | | | US 6539237 B1 | 20030325 | 28 | Method and apparatus for integrated wireless communication | 455/555 | 455/461; 455/554.1 | | Sayers; Ian Leslie et al. | P |
| 8 | | | US 5911120 A | 19990608 | 53 | Wireless communication system having mobile stations establish a c | 455/417 | 370/335; 370/337 | | Jarett; Keith et al. | P |
| 9 | | | US 5675629 A | 19971007 | 58 | Cordless cellular system base station | 455/552.1 | 370/280; 455/462 | | Raffel; Michael A. et al. | P |

Hits Details HTML

Ready.

- S3: (11155) S2 and subscriber
- S4: (2571) S3 and (signal adj strength)
- S5: (60) S4 and (location near3 updat\$3 near3 message)
- S6: (40) S5 and measu\$3
- S7: (46) S5 and measu\$5
- S8: (16) S7 and (SMS or "short message")
- S9: (14) S8 and memory
- S10: (13) S9 and "base station"
- S23: (7) S22 and (home near5 "base station")
- S22: (16) S16 and ((highest or greatest) same (signal adj strength))
- S20: (23) S16 and ((highest or greatest) same (signal adj strength))
- S19: (0) S18 and ((highest or greatest) same (signal adj strength))
- S21: (0) S20 and (home near5 area)
- S17: (59) S15 and (location near3 updat\$3 near3 message)
- S18: (9) S17 and (home near5 area)
- S16: (102) S15 and (location near3 updat\$3 near3 message)
- S15: (3986) S14 and (signal adj strength)
- S13: (53326) S11 and ("mobile user" or "mobile terminal" or "mobile station" or "wireless mobile station")
- S12: (53326) S11 and ("mobile user" or "mobile terminal" or "mobile station" or "wireless mobile station")
- S14: (18404) S13 and subscriber

| | | | |
|---|--|--|--|
|  | | Date of Patent 5,911,126 June 11, 1999 | |
| | | Inventor(s) James C. Lee | |
| Attorney WILLIAM J. KATZ, JAMES C. LEE, JAMES C. LEE & JAMES C. LEE, P.C. 10000 W. 10th Avenue, Suite 100 Golden, CO 80401-1000 Tel: 303.440.0000 Fax: 303.440.0001 E-Mail: lee@leeleelee.com | | | |
| Title Method for determining the relative position of a mobile device in a network | | Class. No. 370/330 Class. Sub. No. 370/332 | |
| Field of Invention The present invention relates to the field of mobile devices, and more particularly to the field of determining the relative position of a mobile device in a network. | | | |
| Background Mobile devices, such as mobile phones, pagers, and the like, are used to communicate with other devices in a network. The relative position of a mobile device in a network is determined by the network. The network determines the relative position of a mobile device by using a variety of techniques, including triangulation, time of arrival, and the like. | | | |
| Summary The present invention provides a method for determining the relative position of a mobile device in a network. The method includes the steps of: receiving a signal from a mobile device; determining the relative position of the mobile device based on the received signal; and transmitting the relative position of the mobile device to a user. | | | |
| Brief Description of the Drawings The drawings illustrate the various components and steps of the present invention. The drawings include: FIG. 1, a block diagram of a mobile device; FIG. 2, a block diagram of a network; FIG. 3, a flowchart of the method for determining the relative position of a mobile device; and FIG. 4, a flowchart of the method for determining the relative position of a mobile device. | | | |
| Detailed Description The present invention provides a method for determining the relative position of a mobile device in a network. The method includes the steps of: receiving a signal from a mobile device; determining the relative position of the mobile device based on the received signal; and transmitting the relative position of the mobile device to a user. | | | |
| Claims 1. A method for determining the relative position of a mobile device in a network, comprising: receiving a signal from a mobile device; determining the relative position of the mobile device based on the received signal; and transmitting the relative position of the mobile device to a user. | | | |
| References U.S. Pat. No. 5,811,126 U.S. Pat. No. 5,811,127 U.S. Pat. No. 5,811,128 U.S. Pat. No. 5,811,129 U.S. Pat. No. 5,811,130 U.S. Pat. No. 5,811,131 U.S. Pat. No. 5,811,132 U.S. Pat. No. 5,811,133 U.S. Pat. No. 5,811,134 U.S. Pat. No. 5,811,135 U.S. Pat. No. 5,811,136 U.S. Pat. No. 5,811,137 U.S. Pat. No. 5,811,138 U.S. Pat. No. 5,811,139 U.S. Pat. No. 5,811,140 U.S. Pat. No. 5,811,141 U.S. Pat. No. 5,811,142 U.S. Pat. No. 5,811,143 U.S. Pat. No. 5,811,144 U.S. Pat. No. 5,811,145 U.S. Pat. No. 5,811,146 U.S. Pat. No. 5,811,147 U.S. Pat. No. 5,811,148 U.S. Pat. No. 5,811,149 U.S. Pat. No. 5,811,150 U.S. Pat. No. 5,811,151 U.S. Pat. No. 5,811,152 U.S. Pat. No. 5,811,153 U.S. Pat. No. 5,811,154 U.S. Pat. No. 5,811,155 U.S. Pat. No. 5,811,156 U.S. Pat. No. 5,811,157 U.S. Pat. No. 5,811,158 U.S. Pat. No. 5,811,159 U.S. Pat. No. 5,811,160 U.S. Pat. No. 5,811,161 U.S. Pat. No. 5,811,162 U.S. Pat. No. 5,811,163 U.S. Pat. No. 5,811,164 U.S. Pat. No. 5,811,165 U.S. Pat. No. 5,811,166 U.S. Pat. No. 5,811,167 U.S. Pat. No. 5,811,168 U.S. Pat. No. 5,811,169 U.S. Pat. No. 5,811,170 U.S. Pat. No. 5,811,171 U.S. Pat. No. 5,811,172 U.S. Pat. No. 5,811,173 U.S. Pat. No. 5,811,174 U.S. Pat. No. 5,811,175 U.S. Pat. No. 5,811,176 U.S. Pat. No. 5,811,177 U.S. Pat. No. 5,811,178 U.S. Pat. No. 5,811,179 U.S. Pat. No. 5,811,180 U.S. Pat. No. 5,811,181 U.S. Pat. No. 5,811,182 U.S. Pat. No. 5,811,183 U.S. Pat. No. 5,811,184 U.S. Pat. No. 5,811,185 U.S. Pat. No. 5,811,186 U.S. Pat. No. 5,811,187 U.S. Pat. No. 5,811,188 U.S. Pat. No. 5,811,189 U.S. Pat. No. 5,811,190 U.S. Pat. No. 5,811,191 U.S. Pat. No. 5,811,192 U.S. Pat. No. 5,811,193 U.S. Pat. No. 5,811,194 U.S. Pat. No. 5,811,195 U.S. Pat. No. 5,811,196 U.S. Pat. No. 5,811,197 U.S. Pat. No. 5,811,198 U.S. Pat. No. 5,811,199 U.S. Pat. No. 5,811,200 U.S. Pat. No. 5,811,201 U.S. Pat. No. 5,811,202 U.S. Pat. No. 5,811,203 U.S. Pat. No. 5,811,204 U.S. Pat. No. 5,811,205 U.S. Pat. No. 5,811,206 U.S. Pat. No. 5,811,207 U.S. Pat. No. 5,811,208 U.S. Pat. No. 5,811,209 U.S. Pat. No. 5,811,210 U.S. Pat. No. 5,811,211 U.S. Pat. No. 5,811,212 U.S. Pat. No. 5,811,213 U.S. Pat. No. 5,811,214 U.S. Pat. No. 5,811,215 U.S. Pat. No. 5,811,216 U.S. Pat. No. 5,811,217 U.S. Pat. No. 5,811,218 U.S. Pat. No. 5,811,219 U.S. Pat. No. 5,811,220 U.S. Pat. No. 5,811,221 U.S. Pat. No. 5,811,222 U.S. Pat. No. 5,811,223 U.S. Pat. No. 5,811,224 U.S. Pat. No. 5,811,225 U.S. Pat. No. 5,811,226 U.S. Pat. No. 5,811,227 U.S. Pat. No. 5,811,228 U.S. Pat. No. 5,811,229 U.S. Pat. No. 5,811,230 U.S. Pat. No. 5,811,231 U.S. Pat. No. 5,811,232 U.S. Pat. No. 5,811,233 U.S. Pat. No. 5,811,234 U.S. Pat. No. 5,811,235 U.S. Pat. No. 5,811,236 U.S. Pat. No. 5,811,237 U.S. Pat. No. 5,811,238 U.S. Pat. No. 5,811,239 U.S. Pat. No. 5,811,240 U.S. Pat. No. 5,811,241 U.S. Pat. No. 5,811,242 U.S. Pat. No. 5,811,243 U.S. Pat. No. 5,811,244 U.S. Pat. No. 5,811,245 U.S. Pat. No. 5,811,246 U.S. Pat. No. 5,811,247 U.S. Pat. No. 5,811,248 U.S. Pat. No. 5,811,249 U.S. Pat. No. 5,811,250 U.S. Pat. No. | | | |



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| | U | 1 | Document ID | Issue Date | Pages | Title | Current OR | Current X | Ret | Inventor | S |
|---|---|---|---------------|------------|-------|--|------------|-----------------------|-----|---------------------------|---|
| 4 | | | US 6735432 B1 | 20040511 | 56 | Cordless cellular system and method | 455/417 | 342/457; 455/421 | | Jarett; Keith et al. | P |
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| 8 | | | US 5911120 A | 19990608 | 53 | Wireless communication system having mobile stations establish a c | 455/417 | 370/335; 370/337 | | Jarett; Keith et al. | P |
| 9 | | | US 5675629 A | 19971007 | 58 | Cordless cellular system base station | 455/552.1 | 370/280; 455/462 | | Raffel; Michael A. et al. | P |

 Hits
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Drafts

BRS: L5 and (location near3 updat\$3 near3 message)

Pending

Active

L1: (91187) "455"/\$.ccls.

L2: (53326) L1 and ("mobile user" or "mobile terminal" or "mobile station" or "wireless termin

L3: (53326) L1 and ("mobile user" or "mobile terminal" or "mobile station" or "wireless termin

L4: (18404) L3 and subscriber

L5: (3986) L4 and (signal adj strength)

L6: (102) L5 and (location near3 updat\$3 near3 message)

L7: (59) L5 and (location near3 updat\$3 near3 message)

L8: (9) 7 and (home near5 area)

L9: (0) 8 and ((highest or greatest) same (signal adj strength))

L10: (23) 6 and ((highest or greatest) same (signal adj strength))

L11: (0) 10 and (home near5 area)

L12: (16) 6 and ((highest or greatest) same (signal adj strength))

L13: (7) 12 and (home near5 "base station")

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DBs

US-PGPUB:USPAT:EP

Plurals

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12 and (home near5 "base station")

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|---|--------------------------|-------------------------------------|---------------|------------|-------|--|------------|-----------------------|------|-----------------------|
| 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | US 6735432 B1 | 20040511 | 56 | Cordless cellular system and method | 455/417 | 342/457; 455/421; | | Jarett; Keith et al. |
| 2 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | US 5675629 A | 19971007 | 58 | Cordless cellular system base station | 455/552.1 | 370/280; 455/462; | | Raffel; Michael A. |
| 3 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | US 5257399 A | 19931026 | 24 | Multiple access handling in a cellular communications system | 455/434 | 455/435.2; 455/455 | | Kallin; Harald et al. |

Hits

Details

HTML

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 Drafts

5 BRS: L5 and (location near3 updat\$3 near3 message)

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☐ ☒ Active

☛ L1: (91187) "455"/\$.ccls.

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✉ L4: (18404) L3 and subscriber

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☛ L8: (9) 7 and (home near5 area)

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☛ S1: (64609) "455"/\$.ccls.

S2: (31029) S1 and ("mobile user" or "mobile terminal" or "mobile station" or "wireless terminal")

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☛ S5: (60) S4 and (location near3 updat\$3 near3 message)

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7 and (home near5 area)

 **BRS form**
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| | U | 1 | Document ID | Issue Date | Pages | Title | Current OR | Current X | Retn | Inventor |
|---|--------------------------|-------------------------------------|---------------|------------|-------|--|------------|-------------------------|------|-----------------------|
| 1 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | US 6519248 B1 | 20030211 | 22 | Packet data network having distributed database | 370/352 | 370/395.31; 370/401; | | Valko ; Andras |
| 2 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | US 6516193 B1 | 20030204 | 12 | Localized special services in a mobile communications system | 455/432.3 | 455/435.1; 455/458 | | Salmela; Seija et al. |
| 3 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | US 6370379 B1 | 20020409 | 20 | Method and arrangement for transferring information related to a m | 455/435.1 | 455/432.1; 455/436; | | Rugaard; Peer |
| 4 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | US 5329573 A | 19940712 | 43 | Arrangement for obtaining authentication key parameters in a cell | 455/411 | 380/248; 380/44; | | Chang; Cheng-Tze |

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